

Converting Colors

$Yxy(45.9082, 0.2778, 0.2890)$

Have a look what the booklet for
Yxy(45.9082, 0.2778, 0.2890)
contains.

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Color

Yxy(45.9082, 0.2778, 0.2890)

Conversions

Conversions Part 1

Format	Color
Hex	A6B5D4
RGB	166, 181, 212
RGB Percent	65%, 71%, 83%
CMY	0.3491, 0.2902, 0.1687
CMYK	0.22, 0.15, 0.00, 0.17
HSL	220°, 35%, 74%
HSV	220°, 22%, 83%
XYZ	44.1291, 45.9082, 68.8146
YIQ	180.0490, -18.8910, 6.4610

Conversions

Conversions Part 2

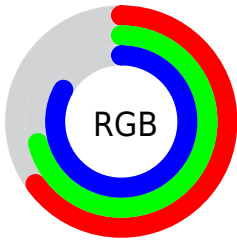
Format	Color
RYB	166, 177, 212
Decimal	10925524
CIELab	73.49, 1.45, -17.35
CIElCh	73, 17.409, 274.785
Yxy	45.9082, 0.2778, 0.2890
Android (android.graphics.Color)	4289115604 (0xFFA6B5D4)
YUV	180.0490, 15.7518, -12.3210
Hunter-Lab	67.7556, -2.3156, -12.7878

Details

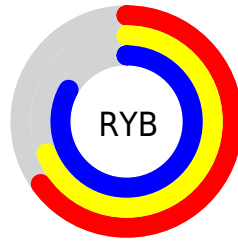
The Yxy color $45.9082, 0.2778, 0.2890$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $56.6625, 0.3487, 0.3660$, and the grayscale version is $45.5902, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.3180, 0.2924, 0.3105$, and $21.3834, 0.2679, 0.2779$ is the 20% darker color. If you saturate the color by 10%, you get $38.2940, 0.2603, 0.2672$, and if you desaturate by 10%, it is $54.4985, 0.2945, 0.3087$.

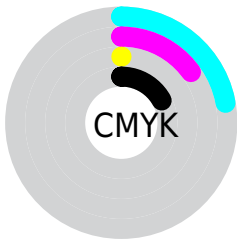
Distribution



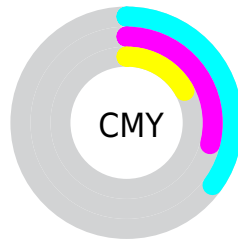
- Red (65%)
- Green (71%)
- Blue (83%)



- Red (65%)
- Yellow (69%)
- Blue (83%)



- Cyan (22%)
- Magenta (15%)
- Yellow (0%)
- Black (17%)



- Cyan (35%)
- Magenta (29%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9082, 0.2778, 0.2890 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 45.9082, 0.2778, 0.2890 by changing the saturation by 10% instead.

■ 45.9082, 0.2778,
0.2890

■ 45.9082, 0.2778,
0.2890

370.4395, 0.2952,
0.3088

■ 32.1734, 0.2735,
0.2841

■ 84.0816, 0.2841,
0.2961

■ 21.4940, 0.2680,
0.2779

■ 109.2890, 0.2865,
0.2988

■ 13.4856, 0.2608,
0.2698

139.0893, 0.2885,
0.3011

■ 7.7637, 0.2508,
0.2586

173.8670, 0.2902,
0.3031

■ 3.9441, 0.2363,
0.2423

214.0065, 0.2917,
0.3048

■ 1.6424, 0.2133,
0.2169

259.8921, 0.2930,

■ 0.3859, 0.1554,

0.3063

0.1491

311.9083, 0.2941,
0.3076

0.0000, 0.0000,
0.0000

45.9082, 0.2778,
0.2890

45.9082, 0.2778,
0.2890

38.2940, 0.2603,
0.2672

54.4985, 0.2945,
0.3087

31.6140, 0.2422,
0.2436

64.0936, 0.3102,
0.3262

25.8313, 0.2243,
0.2185

74.7279, 0.3246,
0.3417

20.9043, 0.2072,
0.1926

86.4324, 0.3379,
0.3553

16.7875, 0.1917,
0.1669

95.8735, 0.3386,
0.3686

■ 13.4306, 0.1786,
0.1425

■ 97.5329, 0.3382,
0.3711

■ 10.7761, 0.1686,
0.1205

■ 9.0397, 0.1624,
0.1047

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.9082, 0.2673, 0.2981



45.9082, 0.2778, 0.2890



45.9082, 0.2977, 0.2902

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.9082, 0.2778, 0.2890



45.9082, 0.3591, 0.3388



45.9082, 0.3019, 0.3600

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.9082, 0.2778, 0.2890



56.6625, 0.3487, 0.3660

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.9082, 0.3265, 0.3714



45.9082, 0.2778, 0.2890



45.9082, 0.3601, 0.3578

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.9082, 0.2778, 0.2890



45.9082, 0.3451, 0.3182



45.9082, 0.3479, 0.3702



45.9082, 0.2809, 0.3392

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.9082, 0.2778, 0.2890



45.9082, 0.3139, 0.2963



45.9082, 0.3479, 0.3702



45.9082, 0.3100, 0.3651

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.9101, 0.2778, 0.2890



89.3401, 0.3019, 0.3171



59.2019, 0.2901, 0.3484



18.9335, 0.3009, 0.3160



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.9101, 0.2778, 0.2890



64.2703, 0.2699, 0.2793



40.9774, 0.2826, 0.2699



12.6646, 0.2982, 0.3129



5.7445, 0.1631, 0.1072



0.4954, 0.1729, 0.1423

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



44.5980, 0.3424, 0.3109



62.1972, 0.3505, 0.3068



62.7168, 0.3392, 0.3839



12.4870, 0.3240, 0.3214



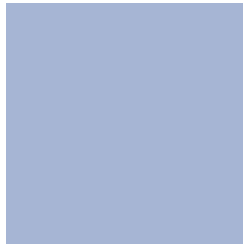
8.9248, 0.5651, 0.2887



0.5533, 0.5160, 0.2616

Previews

White Background



This preview shows how the Yxy color 45.9082, 0.2778, 0.2890 looks on a white background.

Color Contrast Check

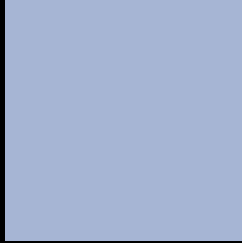
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 45.9082, 0.2778, 0.2890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

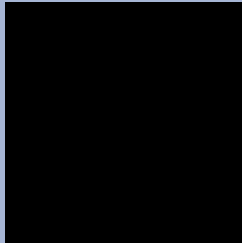
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9082, 0.2778, 0.2890

Background



This preview shows how black text looks on a background with the Yxy color 45.9082, 0.2778, 0.2890.



This preview shows how white text looks on a background with the Yxy color 45.9082, 0.2778, 0.2890.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.9082, 0.2778, 0.2890

Protanopia

45.8920, 0.2851, 0.2895

Deuteranopia

45.7998, 0.2891, 0.2828



Tritanopia

45.7307, 0.2854, 0.3090

Trichromacy



Original Color

45.9082, 0.2778, 0.2890

Protanomaly

46.0036, 0.2822, 0.2893

Deuteranomaly

45.8750, 0.2845, 0.2848

Tritanomaly

45.6602, 0.2826, 0.3013

Monochromacy



Original Color

45.9082, 0.2778, 0.2890

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.5622, 0.2992, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9082, 0.2778, 0.2890 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(166, 181, 212)` looks like.

```
.text, #text, p{  
    color:rgb(166, 181, 212)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(166, 181, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 181, 212) }
```

Border

The CSS property to change the border of an element to Yxy 45.9082, 0.2778, 0.2890 is called "border". The border property can be set on classes, ids or directly on the HTML element.

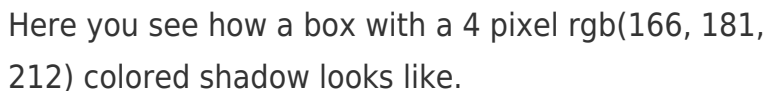
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 181, 212) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(166, 181, 212) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(166, 181, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 181, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 181, 212);  
box-shadow:4px 4px 4px 4px rgb(166, 181,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9082, 0.2778, 0.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 181, 212) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(166,  
181, 212) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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